

Claims

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1. A telecommunication controller comprising a control framework comprising:-
- an application domain level operative according to control logic domain objects; and
- a meta level operative according to the meta objects which represent the domain object classes and provide an interface to isolate the domain objects from services associated with the controller.
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2. ^{The} A controller as claimed in claim ¹³ 1, wherein the meta objects comprise event channels for automatic notification to subscribers.
- 15 3. ^{The} A controller as claimed in ^{claim 13} any preceding claim, wherein the meta objects are structured in a hierarchy of abstract classes for declaring actions and attributes.
- 20 4. ^{The} A controller as claimed in ^{claim 13} any preceding claim, wherein the meta objects comprise means for invoking actions on domain objects and changes to attributes of domain objects..
- 25 5. ^{The} A controller as claimed in ^{claim 13} any preceding claim, wherein the controller comprises a key class naming objects in the domain level.
6. ^{The} A controller as claimed in ^{claim 13} any preceding claim, wherein the meta level defines containment of domain level objects and the domain level comprises means for automatically notifying the meta level of containment modifications.

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a 7. ^{The} A controller as claimed in claim 6, wherein the meta objects comprise means for interrogating a base object containment hierarchy to locate a required object in response to a request from a requesting object.

a 5 8. ^{The} A controller as claimed in ^{claim 13} ~~any preceding claim~~, wherein the meta objects comprise means for performing persistence data operations transparently to the domain objects.

a 10 9. ^{The} A controller as claimed in ^{claim 13} ~~any preceding claim~~, wherein the meta objects comprise means for updating a data backup controller for fault tolerance transparently to the domain objects.

a 15 10. ^{The} A controller as claimed in ^{claim 13} ~~any preceding claim~~, wherein the meta objects comprise means for verifying base object proposals to update real resource attributes.

a 11. ^{The} A controller as claimed in ^{claim 8} ~~claims 8, 9, or 10~~, wherein the meta objects comprise means for publishing events on channels to notify adapter objects.

a 20 12. ^{The} A controller as claimed in claim 11, wherein the adapter objects are contained in a services level in the controller.

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